

DERWENT- 1994-265037

ACC-NO:

DERWENT- 199433

WEEK:

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TITLE: Melting neutral borosilicate glass - using electric heating furnace in which molten glass passes into a two part bubbling cell etc.

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PRIORITY-DATA: 1993DE-4313217 (April 22, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4313217 C1	September 1, 1994	N/A	003	C03B 005/193

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 4313217C1	N/A	1993DE-4313217	April 22, 1993

INT-CL (IPC): C03B005/027, C03B005/193 , C03B005/225

ABSTRACTED-PUB-NO: DE 4313217C

BASIC-ABSTRACT:

Melting neutral glass uses an electric heating furnace in which molten glass (12) passes into a two part bubbling cell (20,22) where N₂, O₂ or air and some water vapour is blown into the melt in the first cell (20) and dried O₂ is blown into the melt in the second cell (22).

USE - For producing borosilicate neutral glasses.

ADVANTAGE - Glass is melted by completely electrical means which avoids overheating and thereby strong emissions of toxic materials without jeopardising the glass quality.

CHOSEN- Dwg.1/2

DRAWING:

TITLE-TERMS: MELT NEUTRAL BOROSILICATE GLASS ELECTRIC HEAT FURNACE
MOLTEN GLASS PASS TWO PART BUBBLE CELL

DERWENT-CLASS: L01

CPI-CODES: L01-A06C; L01-C03;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-121235